

**State of Alaska - Air Operating Permit Program  
Owner Requested Limit**

**FACILITY IDENTIFICATION:**

**No. 293ORL01**

<b>Owner/Operator:</b>	State of Alaska, Department of Transportation and Public Facilities
<b>Facility Name:</b>	Fairbanks International Airport
<b>Facility Address:</b>	6450 Airport Way, Suite 1
<b>City, State, Zip:</b>	Fairbanks, Alaska 99709
<b>Latitude/Longitude:</b>	Latitude 64 <sup>0</sup> 48' 57" North / Longitude 147 <sup>0</sup> 51' 29" West
<b>Facility Contact:</b>	Ms. Kristen Dubois
<b>Phone Number:</b>	(907) 474-2582

The above-named owner/operator has submitted a complete application for an owner-requested limit under 18 AAC 50.225(b) for the Fairbanks International Airport. The Department grants an owner-requested limit to restrict the potential to emit of the facility to avoid the requirement for an operating permit under 18 AAC 50.325(b)(1). The Department certifies that the owner-requested limit is effective as of the date noted below.

In accordance with 18 AAC 50.225(f), the applicant has agreed to the conditions listed on the following pages.

The owner or operator may revise this limit under 18 AAC 50.225(h) by submitting a new request under 18 AAC 50.225(b). This limit remains in effect until the revision is approved. The owner or operator may terminate this limit according to the procedures of 18 AAC 50.225(h).

I understand and agree to the terms and conditions of this approval.

\_\_\_\_\_  
Owner or Operator

\_\_\_\_\_  
Printed Name

Title: \_\_\_\_\_

This certifies that on \_\_\_\_\_, (date) the person named above appeared before me, a notary public  
in \_\_\_\_\_ and for the State of \_\_\_\_\_, and signed the above statement in my presence.

Notary Signature & Seal \_\_\_\_\_

My commission expires: \_\_\_\_\_

Department approval:  
\_\_\_\_\_

\_\_\_\_\_  
John F. Kuterbach, Manager  
Air Permits Program

\_\_\_\_\_  
Owner Requested Limit Effective Date

**CONDITIONS:**

1. The owner/operator shall limit fuel consumption in the sources listed in Table 1 (Heaters and Boilers) to no more than a cumulative total of 1,000,000 gallons of diesel fuel in any 12-month period.
2. The owner/operator shall limit the operation of the Category III diesel generators listed in Table 2 to no more than a cumulative total of 900,000 horsepower-hours in any 12-month period.
3. The owner/operator shall limit the operation of the emergency diesel generators listed in Table 3 to no more than a cumulative total of 500,000 horsepower-hours in any 12-month period.
4. The owner/operator shall limit the operation of the starved air incinerator listed in Table 4 to no more than a cumulative total of 20 tons of solid waste in any 12-month period.
5. The owner/operator shall limit the fuel consumption of the used oil burner listed in Table 5 to no more than a cumulative total of 8,000 gallons of used oil in any 12-month period.
6. The owner/operator shall ensure that the fuel sulfur content of the liquid fuel burned at the facility does not exceed 0.50% by weight.
7. The owner/operator shall conduct monitoring related to the conditions established in this limit, in accordance with the following:

(A) For conditions 1-5

- (1) Measure and record the quantity of diesel fuel used in the sources listed in Table 1 at the facility, monthly;
- (2) Measure the hours of operation of the diesel generators listed in Table 2, and record the horsepower-hours monthly;
- (3) Measure the hours of operation of the diesel generators listed in Table 3, and record horsepower-hours monthly;
- (4) Measure and record the amount of used oil burned in the source listed in Table 5, monthly;
- (5) Measure and record the amount of solid waste burned in the source listed in Table 4 monthly;

(B) For condition 6, obtain the percent sulfur by weight as determined by ASTM-approved test methods, for each fuel shipment that is used in sources at the facility. If the grade of fuel required is 0.50% sulfur by weight or less, the owner/operator shall obtain a record from the shipper that specifies the grade of fuel.

8. The owner/operator shall retain records of all required monitoring data and support information for a period of at least five years from the date of collection. Support information includes fuel delivery or fuel use records, calibrations for fuel monitoring instrumentation, and copies of reports and certifications required by this approval. In addition the owner/operator shall keep specific records as follows:

- (A) Keep records of the quantity of diesel fuel burned in the sources listed in Table 1 by month;
  - (B) Keep records of the horsepower-hours of operation of the diesel generators listed in Table 2 by month;
  - (C) Keep records of the horsepower-hours of operation of the diesel generators in listed in Table 3 by month;
  - (D) Keep records of the quantity of waste burned in the incinerator listed in Table 4 by month;
  - (E) Keep records of the quantity of used oil burned in the source listed in Table 5 by month; and
  - (F) Keep copies of fuel delivery records that specify the grade of fuel used in sources covered by this limit.
9. The owner/operator shall submit an original and two copies of an annual compliance report, certified, signed and notarized in accordance with 18 AAC 50.205, to the Alaska Department of Environmental Conservation, Air Permits Program, 610 University Avenue, Fairbanks, Alaska 99709. The report is due by August 1<sup>st</sup> for information from the period July 1 through June 30 of the preceding year. One copy must also be sent to the U.S. EPA, 1200 6<sup>th</sup> Avenue, Mail Stop OAQ-107, Seattle, WA 98101. The reports are to contain:
- (A) the name of the owner/operator, the facility name, ORL number, and the period of the report;
  - (B) a listing of the diesel fuel consumed in the sources listed in Table 1 for the past 12 months, by month;
  - (C) a listing of the horsepower-hours of operation of the diesel generators listed in Table 2 for the past 12 months, by month;
  - (D) a listing of the horsepower-hours of operation of the diesel generators listed in Table 3 for the past 12 months, by month;
  - (E) a listing of the quantity of waste burned in the incinerator listed in Table 4 for the past 12 months, by month;
  - (F) a listing of the quantity of used oil burned in the source listed in Table 5 for the past 12 months, by month;
  - (G) a listing of the sulfur content, fuel sulfur testing results, or the fuel grade of each fuel shipment used in sources covered by this limit;
  - (H) The reports must clearly identify any deviation from the limit requirements; and
  - (I) Must contain a certification of report information, signed by the Responsible Official defined in 18 AAC 50.990(81) in accordance with 18 AAC 50.205.
10. The owner/operator shall fax a notification to the Fairbanks Air Permit Program office, Attn: Compliance Technician, at (907) 451 2187 within 24 hours of discovery if:
- (A) fuel use for the sources listed in Table 1 exceeds 900,000 gallons of diesel fuel in any 12 month period; and /or
  - (B) the horsepower-hours of operation of the diesel generators listed in Table 2 exceeds 850,000 in any 12 month period; and/or

- (C) the horsepower-hours of operation of the diesel generators listed in Table 3 exceeds 450,000 in any 12 month period; and/or
- (D) the amount of waste burned in the incinerator listed in Table 4 exceeds 18 tons in any 12 month period; and/or
- (E) the quantity of waste oil burned in the source listed in Table 5 exceeds 7500 gallons in any 12 month period.

### Statement of Avoided Requirement:

The potential to emit of the sources listed in Tables 1,2,3,4, and 5 for any one regulated contaminant is reduced to less than 100 tons per year by limiting the fuel consumed in the sources, and limiting the sulfur content of the fuel to no greater than 0.50% by weight. In accordance with 18 AAC 50.210, the capacity of the facility to emit an air contaminant is verifiable through the monitoring, record keeping, and reporting contained in this approval. By limiting the potential to emit of the sources listed in Tables 1,2,3,4, and 5, the owner/operator is avoiding the requirement to obtain an operating permit for a facility that is classified under AS 46.14.130(b) and 18 AAC 50.325(b)(1).

**Table 1**  
**Boiler and Heater Inventory Subject to Limits**

Description	Location	Rated Capacity	Serial No
Boiler 1 of 2	ARRF Building	2.4 MMBtu/hr	997983
Boiler 2 of 2	ARRF Building	2.4 MMBtu/hr	1075101
Boiler 1 of 2	Terminal Building	1.76 MMBtu/hr	7576966
Boiler 2 of 2	Terminal Building	1.76 MMBtu/hr	7573638
Boiler 1 of 2	Field Maintenance Bldg	1.90 MMBtu/hr	new
Boiler 2 of 2	Field Maintenance Bldg	1.90 MMBtu/hr	new
Boiler 1 of 1	Transportable	1.5 MMBtu/hr	26097
Air Makeup Unit	Terminal Building	2.0 MMBtu/hr	

### Insignificant Sources

Space Heaters (9)	Various Locations	<150,000 Btu/hr each
Water Heaters (2)	Terminal Building	0.27 MMBtu/hr each
Water Heaters (2)	Maintenance Building	0.19 MMBtu/hr each

**Table 2**  
**Category III Diesel Generator Inventory Subject to Limit**

Description	Building	Mfg./Model No.	Rated Capacity
Diesel generator	Regulator Bldg	Caterpillar D3406	416 hp
Diesel generator	Regulator Bldg	Caterpillar D343	369 hp

**Table 3**  
**Emergency Diesel Generator Inventory Subject to Limit**

<u>Description</u>	<u>Building</u>	<u>Mfg./Model No.</u>	<u>Rated Capacity</u>
Diesel generator	ARFF Bldg	Caterpillar D3304	121 hp
Diesel generator	Terminal Bldg	Cummins	804 hp

**Table 4**  
**Starved Air Incinerator Subject to Limit**

<u>Description</u>	<u>Building</u>	<u>Rated Capacity</u>
Starved Air Incinerator	Incinerator Building	200 lbs/hour

**Table 5**  
**Used Oil Burner Subject to Limit**

<u>Description</u>	<u>Building</u>	<u>Mfg./Model No.</u>	<u>Rated Capacity</u>
Used Oil Burner	FM Building	Black Gold	160,000 Btu/hr

## Excess Emission Notification Form

Please copy (retain blank copy for your records) and complete this form, fax to: State of Alaska, Department of Environmental Conservation, Division of Air and Water Quality, Air Permits Program, 555 Cordova, Anchorage, AK 99501, Fax: (907) 269-7508, Phone: (907) 269-7577.

Company Name: State of Alaska DOT ORL No.: 293ORL01 Facility Name: Fairbanks Intl Airport

**Reason for notification:**

☐ Excess Emission ☐ Permit Condition Exceedence

Event Information (Use 24-hour clock):

	START Time:	END Time:	Duration (hr:min):
Date: _____	_____ : _____	_____ : _____	_____ : _____
Date: _____	_____ : _____	_____ : _____	_____ : _____
		<b>Total:</b>	_____ : _____

**(B) Cause of Event (Check all that apply):**

☐ START UP ☐ UPSET CONDITION ☐ CONTROL EQUIPMENT  
☐ SHUT DOWN ☐ SCHEDULED MAINTENANCE ☐ OTHER \_\_\_\_\_

Attach a detailed description of what happened, including the parameters or operating conditions exceeded.

**(C) Sources Involved:**

Identify each Emission Source involved in the event, using the same identification number and name as in the Permit. List any Control Device or Monitoring System affected by the event. Attach additional sheets as necessary.

Source ID No.	Source Name	Description	Control Device
_____	_____	_____	_____
_____	_____	_____	_____

**(D) Emission Limit and/or Permit Condition Exceeded:**

Identify each Emission Standard and Permit Condition exceeded during the event. Attach a list of ALL known or suspected injuries or health impacts. Attach additional sheets as necessary.

Permit Condition	Limit	Exceedence
_____	_____	_____
_____	_____	_____

**(E) Emission Reduction:**

Attach a detailed description of ALL of the measures taken to minimize and/or control emissions during the event.

**(F) Corrective Actions:**

Attach a detailed description of ALL corrective actions taken to restore the system to normal operation.

Based on information and belief formed after reasonable inquiry, I certify that the statements and information in and attached to this document are true, accurate, and complete.

Printed Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_